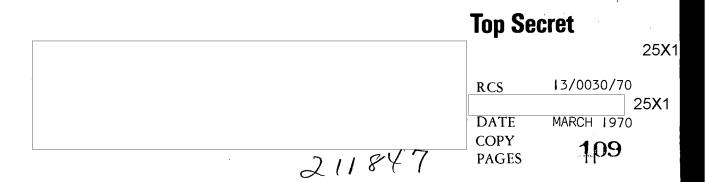


DIRECTORATE OF INTELLIGENCE

Industrial Facilities (Non-Military)

Basic Imagery Interpretation Report

Aluminum Production Facilities China





TOP SECRET RUFF

RCS - 13/0030/70

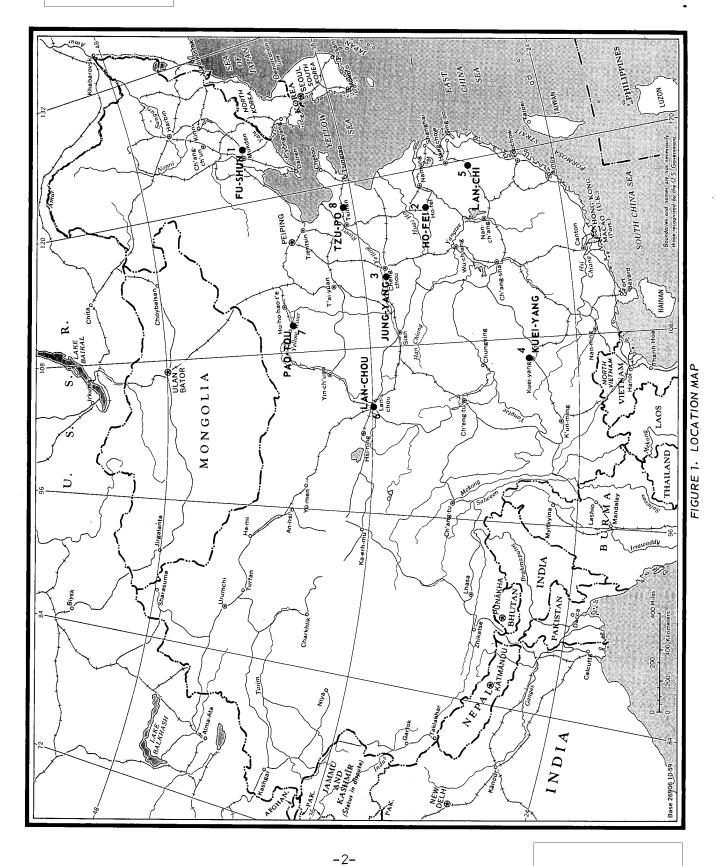
ABSTRACT

This report, based on 1969 photography, updates the information on seven of the eight selected aluminum plants in China reported in a previous Basic Imagery Interpretation Report. The eighth plant, at Lan-chi, was not covered on photography during 1969. The cutoff date for information in this report is December 1969.

At the Jung-yang plant, construction of a fabrication building was resumed in 1969 after having been halted since late 1963. The plant was first seen operating in 1969. On the latest photography, the steam plant and sections of the alumina production facility were seen operating, but not the aluminum production facility. If and when the alumina facility is put into full operation, it will add significantly to China's total alumina production.

Since the previous report, no construction or dismantling has been observed at five of the plants. A sixth plant, at Fu-shun, has been seen once on poor-quality photography and no construction or dismantling was visible.

On the latest 1969 photography, the plants at Fu-shun, Lan-chou, Pao-tou, and Tzu-po were operating. The plants at Ho-fei and Kuei-yang were still incomplete and have never been seen operating.



25X1

INTRODUCTION

This report presents information on the current status of seven aluminum plants in China and describes any changes since the previous report.

The following list of the plants studied is keyed to Figure 1.

- 1. Fu-shun Alumina and Aluminum Plant.
- 2. Ho-fei Aluminum Plant.
- 3. Jung-yang Alumina and Aluminum Plant.
- 4. Kuei-yang Alumina and Aluminum Plant NW.
- 5. Lan-chi Aluminum Plant.
- 6. Lan-chou Aluminum Plant Hsi-ku.
- 7. Pao-tou Aluminum Plant.
- 8. Tzu-po Alumina and Aluminum Plant.

Document Reference

CIA. RCS 13/0197/69, Aluminum Production Facilities, China, June 1969, (TOP SECRET RUFF)

25X1

Requirement

COMIREX NOI Support Number 420360

25X1

-3-

STALLATION OR AC	TIVITY NAME				COUNTRY
-shun Alumina	a and Aluminum	n Plant			CH
TM COORDINATES TWG675315	GEOGRAPHIC COOI 41-50-14N I				1
P REFERENCE					
), Sheet MO29	90-11HL, 4th ed,	Jan 65, Sca	le 1:200,000
SEC TEST IMAGERY USE	CRET		NEGATION DATE (If r	equired)	
:				,	
				NA	
oril 1969, the nce that time ecember 1969, as in operation	e date of the e the plant ha and no new co	latest photo as been seen enstruction of red by smoke	u-shun Alumina a ography used in only on poor-qu or dismantling w seen emanating	the previous ality photogras observed.	report. raphy of The plant

-4-

TOP SECRET RUFF

				,
NSTALLATION OR AC	CTIVITY NAME		COUNTRY	_
•				
o-fei Aluminur	m Plant		СН	
	GEOGRAPHIC COOR			2
MAP REFERENCE	31-57-05N I	17-16-05E		
	RET	Sheet MO.493	3-3HL, 3rd ed, Apr 68, Scale I:200.000	2
			NA	2
968, the date remains incomp	of the latest lete and has no	served at th photography ever been se	DESCRIPTION The Ho-fei Aluminum Plant since January The used in the previous report. The plant The plant The plant The plant The plant	
1968, the date remains incomp	of the latest	served at th photography ever been se	ne Ho-fei Aluminum Plant since January vused in the previous report. The plant een in operation.	
1968, the date remains incomp	of the latest lete and has no	served at th photography ever been se	ne Ho-fei Aluminum Plant since January vused in the previous report. The plant een in operation.	
1968, the date remains incomp	of the latest lete and has no	served at th photography ever been se	ne Ho-fei Aluminum Plant since January vused in the previous report. The plant een in operation.	
1968, the date remains incomp	of the latest lete and has no	served at th photography ever been se	ne Ho-fei Aluminum Plant since January vused in the previous report. The plant een in operation.	
1968, the date remains incomp	of the latest lete and has no	served at th photography ever been se	ne Ho-fei Aluminum Plant since January vused in the previous report. The plant een in operation.	
1968, the date remains incomp	of the latest lete and has no	served at th photography ever been se	ne Ho-fei Aluminum Plant since January vused in the previous report. The plant een in operation.	
1968, the date remains incomp	of the latest lete and has no	served at th photography ever been se	ne Ho-fei Aluminum Plant since January vused in the previous report. The plant een in operation.	
1968, the date remains incomp	of the latest lete and has no	served at th photography ever been se	ne Ho-fei Aluminum Plant since January vused in the previous report. The plant een in operation.	
968, the date remains incomp	of the latest lete and has no	served at th photography ever been se	ne Ho-fei Aluminum Plant since January vused in the previous report. The plant een in operation.	
1968, the date	of the latest lete and has no	served at th photography ever been se	ne Ho-fei Aluminum Plant since January vused in the previous report. The plant een in operation.	
1968, the date remains incomp	of the latest lete and has no	served at th photography ever been se	ne Ho-fei Aluminum Plant since January vused in the previous report. The plant een in operation.	
1968, the date remains incomp	of the latest lete and has no	served at th photography ever been se	ne Ho-fei Aluminum Plant since January vused in the previous report. The plant een in operation.	
1968, the date remains incomp	of the latest lete and has no	served at th photography ever been se	ne Ho-fei Aluminum Plant since January vused in the previous report. The plant een in operation.	

TOP SECRET RUFF

-5**-**

Approved For Release 200	08/10/06 : CIA-RDP79T00909A00 UP SECRET RUFF	00900010012-4	25X 25X
INSTALLATION OR ACTIVITY NAME		COUNTRY	_
Jung-yang Alumina and Aluminum Pla		СН	 25X1
49SGJ075556 34-48-52N 113-16-			∠5 ∧ i
MAP REFERENCE	-12E		
2nd RTS. USATC, Series 200, Sheet	+ 0385-9 (SECRET)		
LATEST IMAGERY USED	NEGATION DATE (If required)		_
			257
	N.	A	25 X
			-
•			
E	BASIC DESCRIPTION		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
The major production faciliticate 1963, but the plant was first was seen issuing from the steam plalumina production area, the sintegrand the filter plant in December, respective stacks. The aluminum p	seen operating in 1969. I ant, indicating that it was ering building was first see as indicated by heavy smoke	In May 1969 smoke s operating. In the en operating in October e emanating from their	c
			25)
			25 <i>;</i>
			25
			25
			25
			2 <u>\$</u>
			25
			25
			25
			25
			25
			25
	-6-		25 25X
Τ.Ο.	-6- OP SECRET RUFF		

Арр	proved For Rele	ease 2008/10/06 I UP SE	S : CIA-RDP79T CKET KUFF	00909A00090	00010012-4	2
						•
•						,
TALLATION OR AC	CTIVITY NAME				COUNTRY	
ei-vang Alum	ina and Alumi	inum Plant NW			СН	
COORDINATES	GEOGRAPHIC CO				I	
XE630530	26-41-20N	106-38-10E				j
REFERENCE						
	TC, Series 20 CRET	00 Sheet M049	96-10HL 2nd	ed. Oct 65.	Scale 1:200.000	2
EST IMAGERY USE	ED ·		NEGATION DATE	(If required)		,
] .		NA		25
		54040 5				
		BASIC L	DESCRIPTION			
plant rema	ins incomple	te and has nev	ver been seen	in operati	brication areas on.	
		:				
			•			
		•				
					y.	
					•	
			-7 -			
				•		
		TOP SE	CRET RUFF			

. Дрр	roved For Release 2008/10/06 TOP SE	CRET RUFF	900010012-4	2
INSTALLATION OR AC	TIVITY NAME		COUNTRY	_
Lan-chi Aluminu	um Plant	·	CH	
UTM COORDINATES	GEOGRAPHIC COORDINATES		•	2
50RQH350363	29-13-55N 119-25-01E			
MAP REFERENCE		·		
2nd RTS. USATC (SECR	C, Series 200. Sheet M0493 RET	5-20HL. 3rd ed. Jan 68.	Scale 1.200 000	2
LATEST IMAGERY USE	.D	NEGATION DATE (If required)		
None		NA		

NOTICE

The Lan-chi Aluminum Plant has not been seen on photography since November 1968, the date of the latest photography used in the previous report.

·				CRET RUFF		9	•
ATEST IMAGERY USED BASIC DESCRIPTION No changes have been observed at the Lan-chou Aluminum Plant since December 1968, the date of the latest photography used in the previous report. The plant was operating in December 1969. Smoke was seen emanating from the stack serving the potrooms. It could not be determined whether the plant was operating in April 1969 due to the poor quality of the photography.	INSTALLATION OR AC	TIVITY NAME		,		COUNTRY	_
BASIC DESCRIPTION No changes have been observed at the Lan-chou Aluminum Plant since December 1968, the date of the latest photography used in the previous report. The plant was operating in December 1969. Smoke was seen emanating from the stack serving the potrooms. It could not be determined whether the plant was operating in April 1969 due to the poor quality of the photography.	Lan-chou Alumi	num Plant Hsi-ku				СН	
APREFERENCE 5th RTS. USATC, Series 200, Sheet M0383-22HL, 3rd ed, Dec 68, Scale 1:200,000 (SECRET 200,000) ATEST IMAGERY USED NEGATION DATE (If required) NA 2 BASIC DESCRIPTION No changes have been observed at the Lan-chou Aluminum Plant since December 1968, the date of the latest photography used in the previous report. The plant was operating in December 1969. Smoke was seen emanating from the stack serving the potrooms. It could not be determined whether the plant was operating in April 1969 due to the poor quality of the photography.	UTM COORDINATES	GEOGRAPHIC COORDIN	IATES	*		•	2
BASIC DESCRIPTION No changes have been observed at the Lan-chou Aluminum Plant since December 1968, the date of the latest photography used in the previous report. The plant was operating in December 1969. Smoke was seen emanating from the stack serving the potrooms. It could not be determined whether the plant was operating in April 1969 due to the poor quality of the photography.	48SUQ740990	36-07-41N 103	-35-26E				
BASIC DESCRIPTION No changes have been observed at the Lan-chou Aluminum Plant since December 1968, the date of the latest photography used in the previous report. The plant was operating in December 1969. Smoke was seen emanating from the stack serving the potrooms. It could not be determined whether the plant was operating in April 1969 due to the poor quality of the photography.	15th RTS. USA (SE	CRÉT	Sheet M038			le 1:200,000	2
BASIC DESCRIPTION No changes have been observed at the Lan-chou Aluminum Plant since December 1968, the date of the latest photography used in the previous report. The plant was operating in December 1969. Smoke was seen emanating from the stack serving the potrooms. It could not be determined whether the plant was operating in April 1969 due to the poor quality of the photography.	INTEST IMPOLITY OU				- 4		
No changes have been observed at the Lan-chou Aluminum Plant since December 1968, the date of the latest photography used in the previous report. The plant was operating in December 1969. Smoke was seen emanating from the stack serving the potrooms. It could not be determined whether the plant was operating in April 1969 due to the poor quality of the photography.					NA		_ 2
			rved at th	e Lan-chou Alum			
	1968, the date was operating the potrooms.	of the latest p in December 1969 It could not be	rved at th hotography . Smoke w determine	ne Lan-chou Alum rused in the provas seen emanatied whether the p	evious repor ng from the	t. The plant stack serving	,

UCTALL ATION OF AC	TIVITY NAME				LOQUATRY	
NSTALLATION OR AC	TIVITY NAME				COUNTRY	
ao-tou Alumin					СН	_
TM COORDINATES 9TDQ260908		110-07-26E				
AP REFERENCE	<u> </u>					
nd RTS. USAT(SECF)		0, Sheet M0288	-22HL, 3rd ed	, Aug 68, Scale	e 1:200,000	
ATEST IMAGERY USE			NEGATION DATE	If required)		
				NA		
969, the date as in operatio	of the late on in May an	observed at th st photography d October 1969	used in the	minum Plant sin previous repor seen emanating	t. The plant	
969, the date	of the late on in May an	observed at th st photography d October 1969	e Pao-tou Alu used in the	previous repor	t. The plant	
969, the date as in operatio	of the late on in May an	observed at th st photography d October 1969	e Pao-tou Alu used in the	previous repor	t. The plant	
969, the date as in operatio	of the late on in May an	observed at th st photography d October 1969	e Pao-tou Alu used in the	previous repor	t. The plant	<u> </u>
969, the date as in operatio	of the late on in May an	observed at th st photography d October 1969	e Pao-tou Alu used in the	previous repor	t. The plant	
969, the date as in operatio	of the late on in May an	observed at th st photography d October 1969	e Pao-tou Alu used in the	previous repor	t. The plant	<u>.</u>
969, the date as in operatio	of the late on in May an	observed at th st photography d October 1969	e Pao-tou Alu used in the	previous repor	t. The plant	<u>.</u>
969, the date as in operatio	of the late on in May an	observed at th st photography d October 1969	e Pao-tou Alu used in the	previous repor	t. The plant	<u>.</u>
969, the date as in operatio	of the late on in May an	observed at th st photography d October 1969	e Pao-tou Alu used in the	previous repor	t. The plant	
969, the date as in operatio	of the late on in May an	observed at th st photography d October 1969	e Pao-tou Alu used in the	previous repor	t. The plant	
969, the date as in operatio	of the late on in May an	observed at th st photography d October 1969	e Pao-tou Alu used in the	previous repor	t. The plant	

Approved For Release 2008/10/06 : CIA-RDP79T00909A000900010012-4

COUNTRY COUNTRY
GEOGRAPHIC COORDINATES
36-45-02N 18-03-10E MAP REFERENCE 348th RTS. USATC, Şeries 200. Sheet M0381-22HL. 4th ed. Jul 68. Scale 1:200.00
MAPREFERENCE 548th RTS. USATC, Şeries 200. Sheet MO381–22HL. 4th ed. Jul 68. Scale I:200.00
548th RTS. USATC, Ş <u>eries 200. Sheet MO381–22HL. 4th ed. Jul 68. Scale I:200.00</u>
_ATEST IMAGERY USED NEGATION DATE (IT required)
The state of the s
NA NA
he plant was operating in October and December 1969. Heavy smoke was emanatin rom numerous stacks in the alumina facilities and from the stack serving the
potrooms.
ootrooms.
otrooms.
potrooms.
potrooms.

-11-

Top Secret

Top Secret